WHAT IS CLAIMED IS:

1. An image processing apparatus which can communicate with a computer via a network by using a port number allocated in correspondence to a kind of data process and executes an image process in accordance with data from the computer, comprising:

address obtaining means for obtaining an address of a transferring source of the data on the basis of the data received from said computer;

port number obtaining means for obtaining a port number of a transfer destination of the data on the basis of the data received from said computer; and

discriminating means for collating limitation information showing whether the communication with the computer is permitted or not, the address obtained by said address obtaining means, and the port number obtained by said port number obtaining means and discriminating whether the communication with the computer is made or not,

wherein if it is determined that the communication with the computer is made, the data process corresponding to the port number obtained by said port number obtaining means is executed.

2. An apparatus according to claim 1, further comprising:

deciding means for deciding whether the port
number obtained by said port number obtaining means
is a first port number corresponding to a printing
process for processing print data or a second port
5   number corresponding to a managing process for
processing the apparatus in accordance with command
data,

and wherein if it is determined that the
communication with the computer is made, the printing
10 process or the managing process is executed in
accordance with whether the port number obtained by
said port number obtaining means is the first port
number or the second port number.

15   3. An apparatus according to claim 1, wherein
the port number is allocated in correspondence to a
kind of job, and
when the communication with the computer is made, a
process of a job corresponding to the port number
20 obtained by said port number obtaining means is
executed.

4. An apparatus according to claim 1, wherein
in said limitation information, the address,
25 the port number, and permission information showing
whether the communication with the computer is
permitted or not are made to correspond to each other,

and

said discriminating means discriminates whether
the communication with the computer is made or not on
the basis of said permission information

5   corresponding to the address obtained by said address
obtaining means and the port number obtained by said
port number obtaining means.

5. An apparatus according to claim 1, wherein

10   if the address obtained by said address obtaining
means and the port number obtained by said port
number obtaining means do not correspond to said
limitation information, said discriminating means
discriminates whether the communication with the

15   computer is made or not in accordance with a preset
operation designation.

6. An apparatus according to claim 1, further
comprising:

20   receiving means for receiving a connecting
request from the computer; and
connection control means for establishing the
connection to the computer,
and wherein

25   said address obtaining means obtains the
address of the transferring source of the connecting
request on the basis of said connecting request,

said port number obtaining means obtains the port number of the transfer destination of the connecting request on the basis of said connecting request,

5 said discriminating means collates said limitation information, the address obtained by said address obtaining means, and the port number obtained by said port number obtaining means and discriminates whether the connection to the computer is established or not,

10 said connection control means establishes the connection to the computer if it is determined that the connection is established, and

the data process is executed after the connection to the computer was established by said 15 connection control means.

7. An apparatus according to claim 1, wherein said image processing apparatus is a printer.

20 8. An image processing apparatus which can communicate with a computer via a network by using a port number allocated in correspondence to a kind of data process and executes an image process in accordance with data from the computer, comprising:

25 address obtaining means for obtaining an address of a transferring source of the data on the basis of the data received from said computer;

port number obtaining means for obtaining a
port number of a transfer destination of the data on
the basis of the data received from said computer;

discriminating means for collating limitation
5   information showing whether the communication with
the computer is permitted or not, the address
obtained by said address obtaining means, and the
port number obtained by said port number obtaining
means and discriminating whether the communication
10   with the computer is made or not; and

port number notifying means for, if it is
determined that the communication with the computer
is made, notifying said computer of the port number
corresponding to a designated data process,
15   wherein the designated data process is executed
in accordance with data in which the port number of
the transfer destination is the port number notified
by said port number notifying means.

20   9. An apparatus according to claim 8, further
comprising:

permission notifying means for, if it is
determined that the communication with the computer
is made, notifying said computer of the fact that the
25   communication is permitted; and

receiving means for receiving a port number
request for requesting that the port number

corresponding to the designated data process is
notified,

and wherein said port number notifying means
notifies the port number corresponding to the
5   designated data process in accordance with said port
number request.

10. An apparatus according to claim 8, wherein
said image processing apparatus is a printer.
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11. A communicating method in an image
processing apparatus which can communicate with a
computer via a network by using a port number
allocated in correspondence to a kind of data process
15   and executes an image process in accordance with data
from the computer, comprising:

an address obtaining step of obtaining an
address of a transferring source of the data on the
basis of the data received from said computer;
20   a port number obtaining step of obtaining a
port number of a transfer destination of the data on
the basis of the data received from said computer;
and

a discriminating step of collating limitation
25   information showing whether the communication with
the computer is permitted or not, the address
obtained by said address obtaining step, and the port

number obtained by said port number obtaining step and discriminating whether the communication with the computer is made or not,

    wherein if it is determined that the
5   communication with the computer is made, the data process corresponding to the port number obtained by said port number obtaining step is executed.

    12. A method according to claim 11, further
10   comprising:

    a deciding step of deciding whether the port number obtained by said port number obtaining step is a first port number corresponding to a printing process for processing print data or a second port
15   number corresponding to a managing process for processing the apparatus in accordance with command data,

    and wherein if it is determined that the communication with the computer is made, the printing
20   process or the managing process is executed in accordance with whether the port number obtained by said port number obtaining step is the first port number or the second port number.

25   13. A method according to claim 11, wherein the port number is allocated in correspondence to a kind of job, and

when the communication with the computer is made, a
process of a job corresponding to the port number
obtained by said port number obtaining step is
executed.

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  14. A method according to claim 11, wherein

  in said limitation information, the address,
the port number, and permission information showing
whether the communication with the computer is
10 permitted or not are made to correspond to each other,
and

  in said discriminating step, whether the
communication with the computer is made or not is
discriminated on the basis of said permission
15 information corresponding to the address obtained by
said address obtaining step and the port number
obtained by said port number obtaining step.

  15. A method according to claim 11, wherein in
20 said discriminating step, if the address obtained by
said address obtaining step and the port number
obtained by said port number obtaining step do not
correspond to said limitation information, whether
the communication with the computer is made or not is
25 discriminated in accordance with a preset operation
designation.

16. A method according to claim 11, further comprising:

a receiving step of receiving a connecting request from the computer; and

5   a connection control step of establishing the connection to the computer,

and wherein

in said address obtaining step, the address of the transferring source of the connecting request is

10   obtained on the basis of said connecting request,

in said port number obtaining step, the port number of the transfer destination of the connecting request is obtained on the basis of said connecting request,

15   in said discriminating step, said limitation information, the address obtained by said address obtaining step, and the port number obtained by said port number obtaining step are collated, and whether the connection to the computer is established or not

20   is discriminated,

in said connection control step, the connection to the computer is established if it is determined that the connection is established, and

the data process is executed after the

25   connection to the computer was established by said connection control step.

17. A method according to claim 11, wherein said image processing apparatus is a printer.

18. A communicating method in an image
5   processing apparatus which can communicate with a
computer via a network by using a port number
allocated in correspondence to a kind of data process
and executes an image process in accordance with data
from the computer, comprising:

10   an address obtaining step of obtaining an
address of a transferring source of the data on the
basis of the data received from said computer;

a port number obtaining step of obtaining a
port number of a transfer destination of the data on
15   the basis of the data received from said computer;

a discriminating step of collating limitation
information showing whether the communication with
the computer is permitted or not, the address
obtained by said address obtaining step, and the port
20   number obtained by said port number obtaining step
and discriminating whether the communication with the
computer is made or not; and

a port number notifying step of, if it is
determined that the communication with the computer
25   is made, notifying said computer of the port number
corresponding to a designated data process,

wherein the designated data process is executed

in accordance with data in which the port number of
the transfer destination is the port number notified
by said port number notifying step.

5   19. A method according to claim 18, further
comprising:

a permission notifying step of, if it is
determined that the communication with the computer
is made, notifying said computer of the fact that the
10   communication is permitted; and

a receiving step of receiving a port number
request for requesting that the port number
corresponding to the designated data process is
notified,
15   and wherein in said port number notifying step,
the port number corresponding to the designated data
process is notified in accordance with said port
number request.

20   20. A method according to claim 18, wherein
said image processing apparatus is a printer.

21. A control program of an image processing
apparatus which can communicate with a computer via a
25   network by using a port number allocated in
correspondence to a kind of data process and executes
an image process in accordance with data from the

computer, wherein said control program allows a
processor to execute:

an address obtaining step of obtaining an
address of a transferring source of the data on the
5   basis of the data received from said computer;

a port number obtaining step of obtaining a
port number of a transfer destination of the data on
the basis of the data received from said computer;
and

10   a discriminating step of collating limitation
information showing whether the communication with
the computer is permitted or not, the address
obtained by said address obtaining step, and the port
number obtained by said port number obtaining step
15   and discriminating whether the communication with the
computer is made or not,

and if it is determined that the communication
with the computer is made, the data process
corresponding to the port number obtained by said
20   port number obtaining step is executed.

22. A recording medium which stores a control
program of an image processing apparatus which can
communicate with a computer via a network by using a
25   port number allocated in correspondence to a kind of
data process and executes an image process in
accordance with data from the computer, wherein said

control program allows a processor to execute:

an address obtaining step of obtaining an address of a transferring source of the data on the basis of the data received from said computer;

5   a port number obtaining step of obtaining a port number of a transfer destination of the data on the basis of the data received from said computer; and

a discriminating step of collating limitation

10   information showing whether the communication with the computer is permitted or not, the address obtained by said address obtaining step, and the port number obtained by said port number obtaining step and discriminating whether the communication with the

15   computer is made or not,

and if it is determined that the communication with the computer is made, the data process corresponding to the port number obtained by said port number obtaining step is executed.

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23. An image processing apparatus which can communicate with a computer via a network by using a port number allocated in correspondence to a kind of data process and executes an image process in

25   accordance with data from the computer, comprising:

a memory for storing a control program; and

a processor for executing, in accordance with

said control program stored in said memory, a step of obtaining an address of a transferring source of the data on the basis of the data received from said computer, a step of obtaining a port number of a

5   transfer destination of the data on the basis of the data received from said computer, and a step of collating limitation information showing whether the communication with the computer is permitted or not, the address obtained by said address obtaining step,

10   and the port number obtained by said port number obtaining step and discriminating whether the communication with the computer is made or not,

wherein if it is determined that the communication with the computer is made, the data

15   process corresponding to the port number obtained by said port number obtaining step is executed.

24. An image processing apparatus which can communicate with a computer via a network by using a

20   port number allocated in correspondence to a kind of data process and executes an image process in accordance with data from the computer, comprising:

a memory for storing a control program; and

a processor for executing, in accordance with

25   said control program stored in said memory, a step of obtaining an address of a transferring source of the data on the basis of the data received from said

computer, a step of obtaining a port number of a
transfer destination of the data on the basis of the
data received from said computer, a step of collating
limitation information showing whether the
5   communication with the computer is permitted or not,
the address obtained by said address obtaining step,
and the port number obtained by said port number
obtaining step and discriminating whether the
communication with the computer is made or not, and a
10   step of, if it is determined that the communication
with the computer is made, notifying the computer of
a port number corresponding to a designated data
process,

     wherein the designated data process is executed
15   in accordance with data in which the port number of
the transfer destination is the port number notified
by said port number notifying step.